Structure Should Liberate, Not Confine

Maine's 1:1 Learning Program

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Introductions

Maine - by the numbers

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- Maine Learning Technology Initiative (MLTI)
- Schools: 373 secondary schools
  - 7-8: 100% | 9-12: 55%
  - ~70,000 laptops

SAMR

Dr. Ruben Puentedura

http://www.mlti.org/presentations

http://www.hippasus.com/resources/tte/

Augmentation → **Acts as a direct tool substitute, with functional improvement**

Substitution → **Acts as a direct tool substitute, with no functional change**

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Substitution

Acts as a direct tool substitute, with no functional change

Redefinition → Allows for the creation of new tasks, previously inconceivable

Modification → Allows for significant task redesign

Augmentation → Acts as a direct tool substitute, with functional improvement

Substitution → Acts as a direct tool substitute, with no functional change

Professional Development

- Role-based
- Outcome-based
- http://www.maine121.org

Procurement

Design Goals

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- A Personal Digital Device,
  At the Point of Learning,
  As Defined by the Learner

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- No Student without a Device for more then One School Day

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- http://www.mlti.org/rfp

Contract Deliverables

MAINE LEARNING
MLTI
TECHNOLOGY INITIATIVE

Image is Everything

- 33 Applications in addition to the standard Mac OS/iLife retail load
  - http://www.mlti.org/tech
- Focus on tool-based software
- Software assurance included

Image is Everything

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- Document, document, document…

Help Desk Support

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  - Document, document, document
- 5 minutes, then reimage
  - Demands backup solutions

Repairs

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- Spare devices

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- Spare devices
- MLTI Local Repair Depot
- Online dispatching
- Maintain stock of parts
- Fast turnaround
- Trend tracking (ie Document, document, document)

Replacements

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- Buffer Pool
  - Accidentally damaged beyond repair
  - Stolen

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- Buffer Pool
  - Accidentally damaged beyond repair
  - Stolen
- Damage Rates are directly related to the adults NOT the students
  - "The more you tighten your grip, Tarkin, the more star systems will slip through your fingers." - Princess Leia

Batteries

- ...device with a battery to last a school day...
  - When a battery stops holding a sufficient charge, a replacement may be ordered at no additional cost

Wireless Networks

- RFP demands a network capable of supporting maximum concurrency
- Infrastructure - it's just there...
- Cisco, controller-based network
  - MLTI provides all configurations and technical support

Asset Manager

- Online Asset Manager
  - Asset Data
  - Device Assignments
  - Technician logs
  - Transfers

Implementation

The little things

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- Bags/carry cases

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- Storage

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- Power Management

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- Device data readily accessible

State Policies

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  - http://maine.gov/mlti/resources/manuals.shtml

Practical Policies

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- Filtering and tracking
- Software installations
- Admin/non-admin rights
- Printers/iPods/Cameras

Shared Leadership, Shared Vision

- Administrators
- Teachers
- Librarians
- IT Staff
- Students
- Parents

Questions?

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